

FIG. 1
Related Art

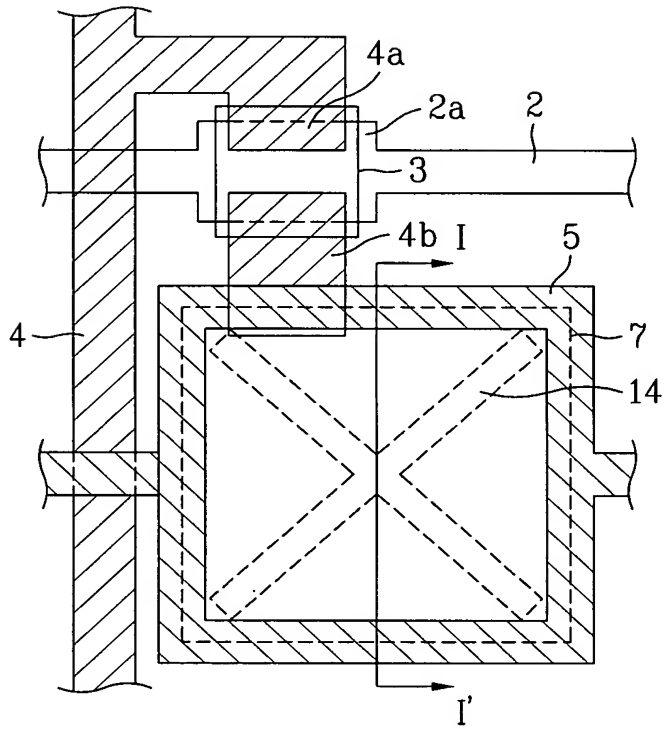


FIG. 2
Related Art

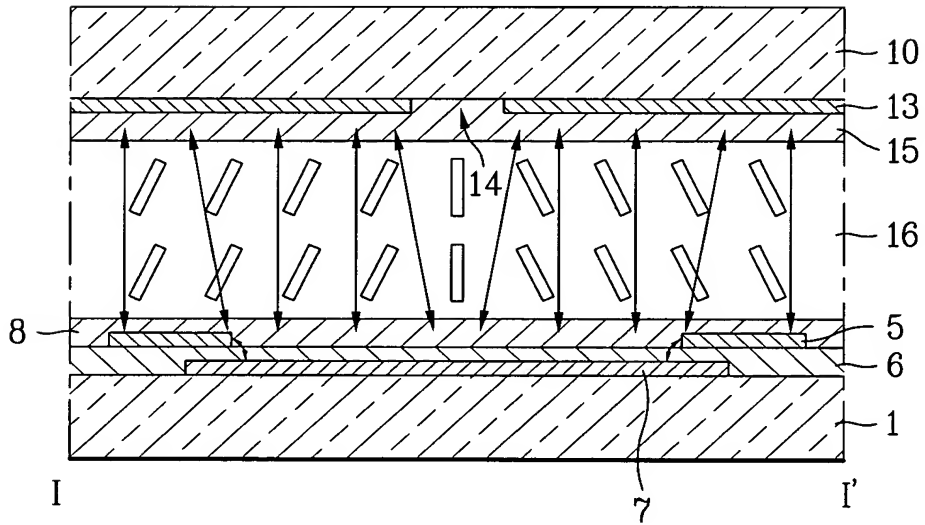


FIG. 3

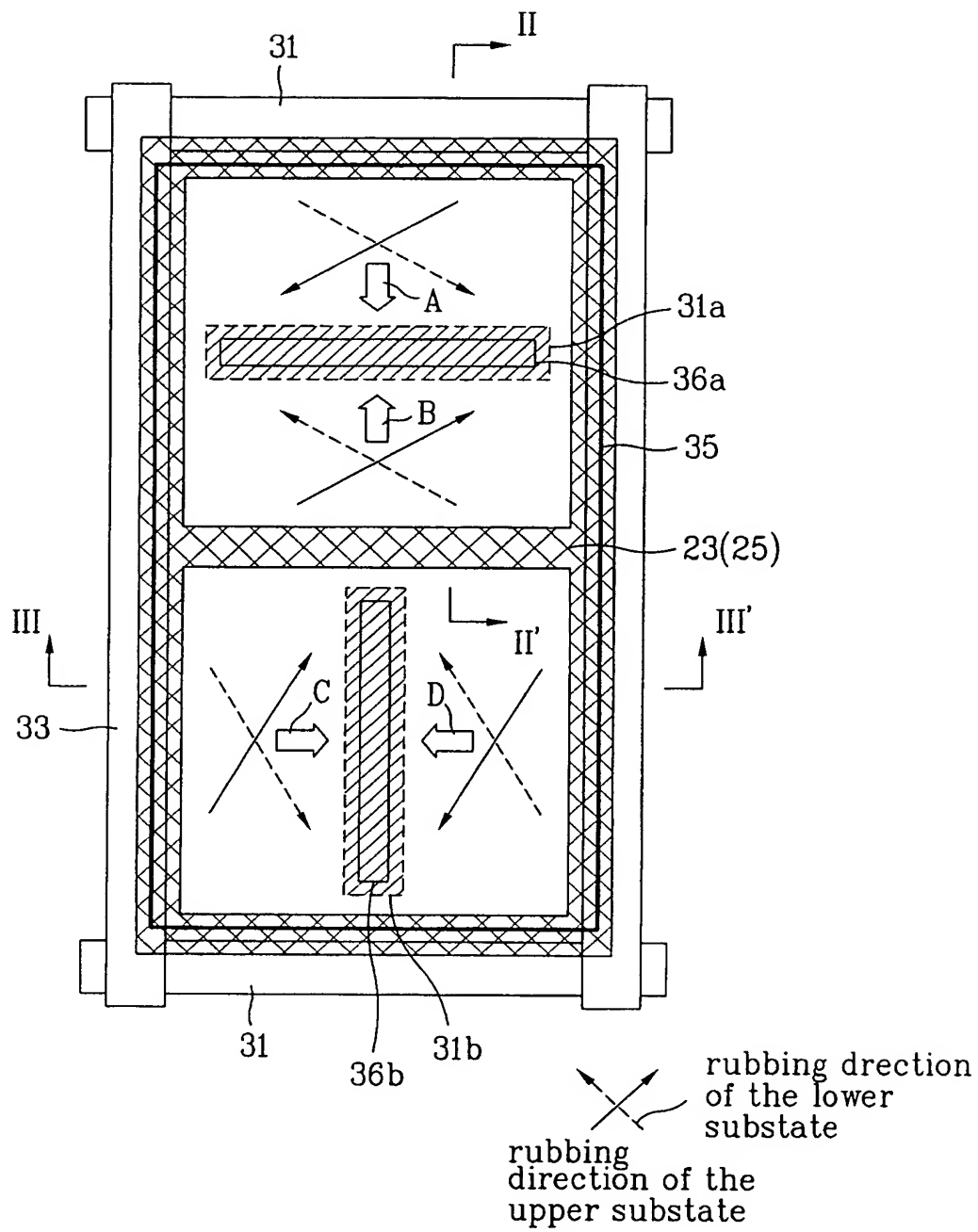


FIG. 4

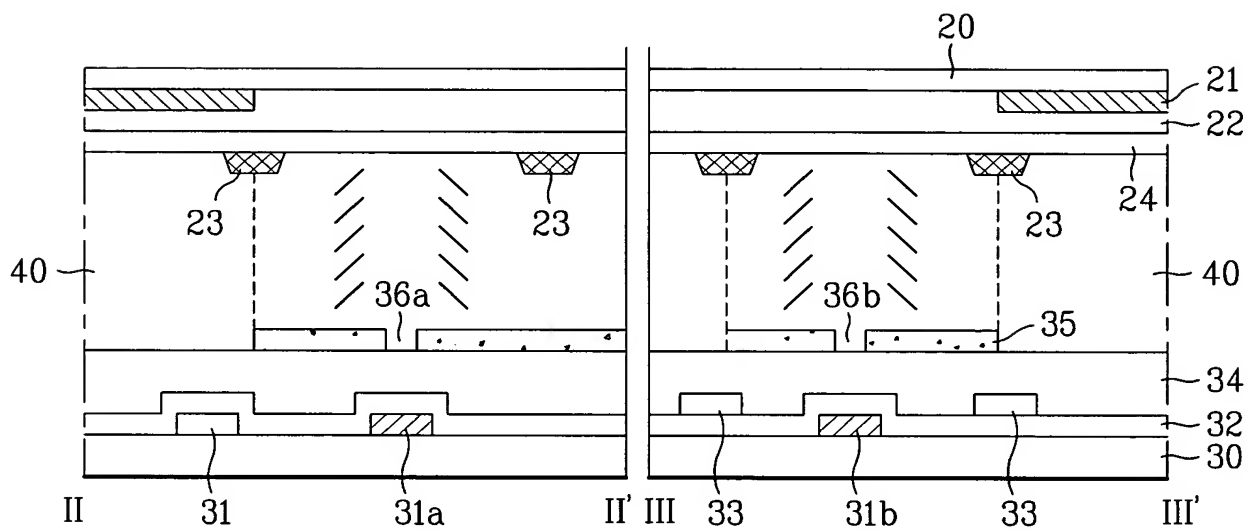


FIG. 5

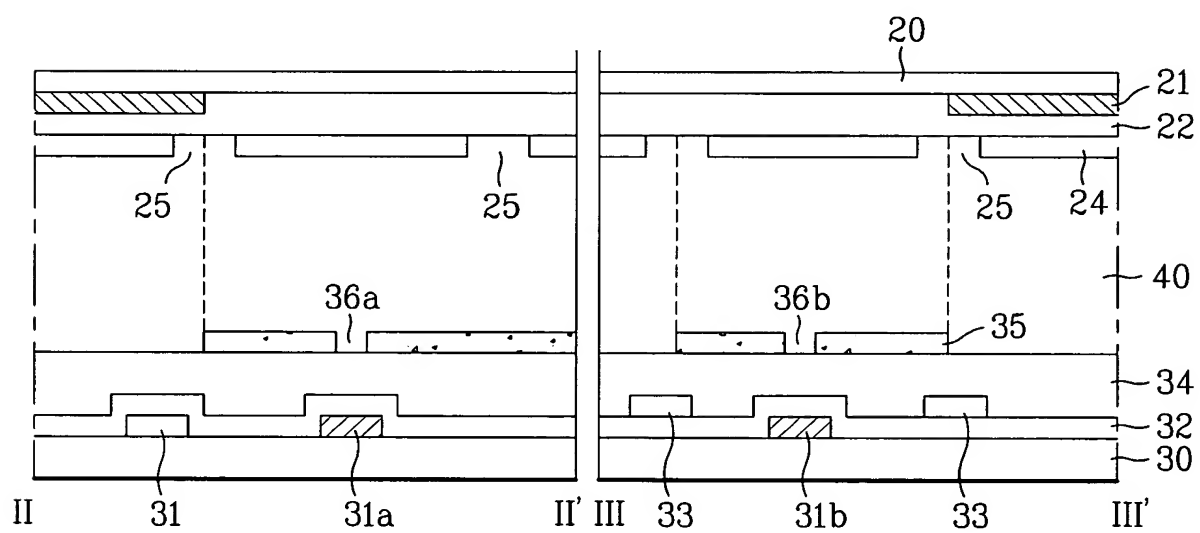


FIG. 6

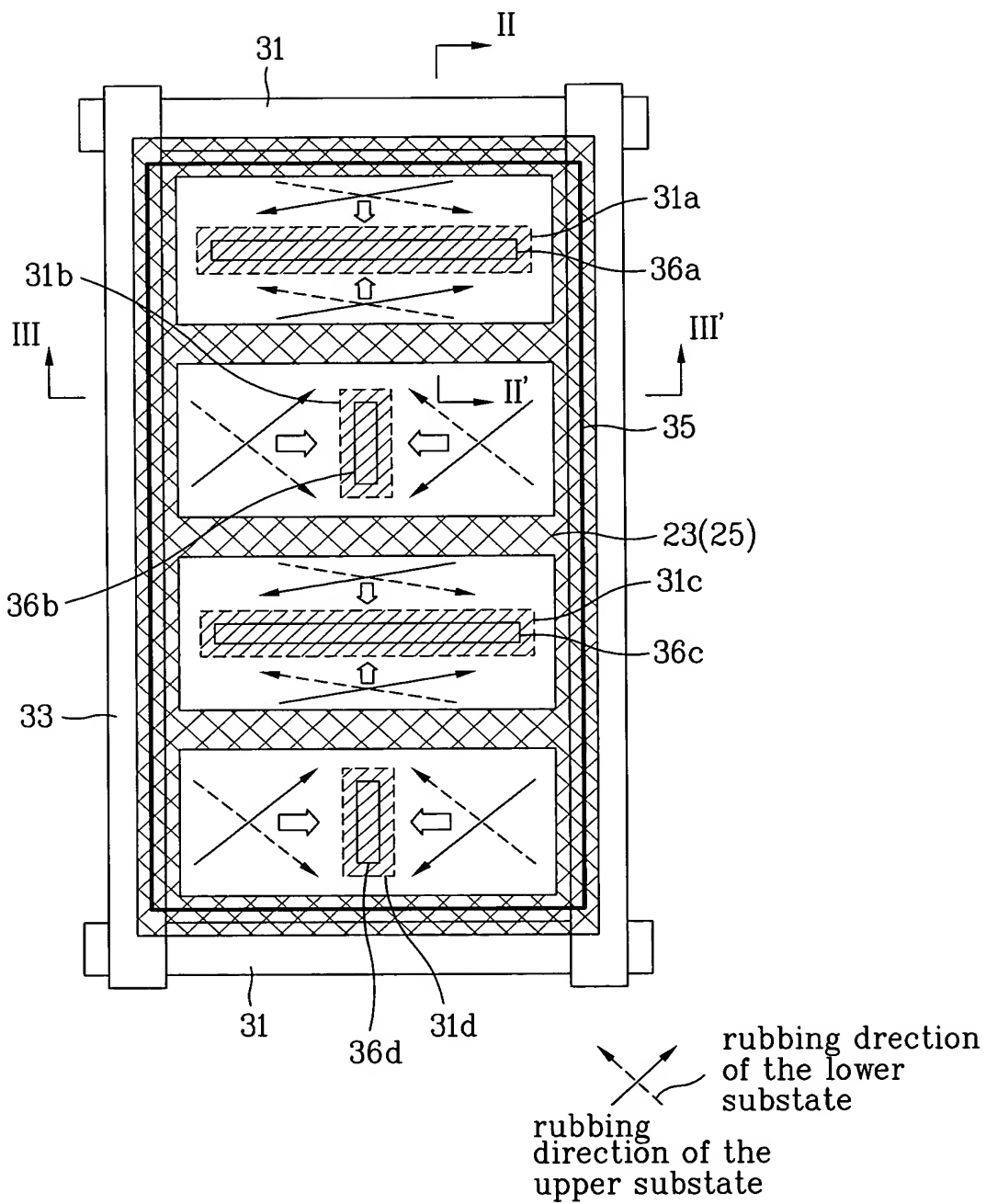


FIG. 7

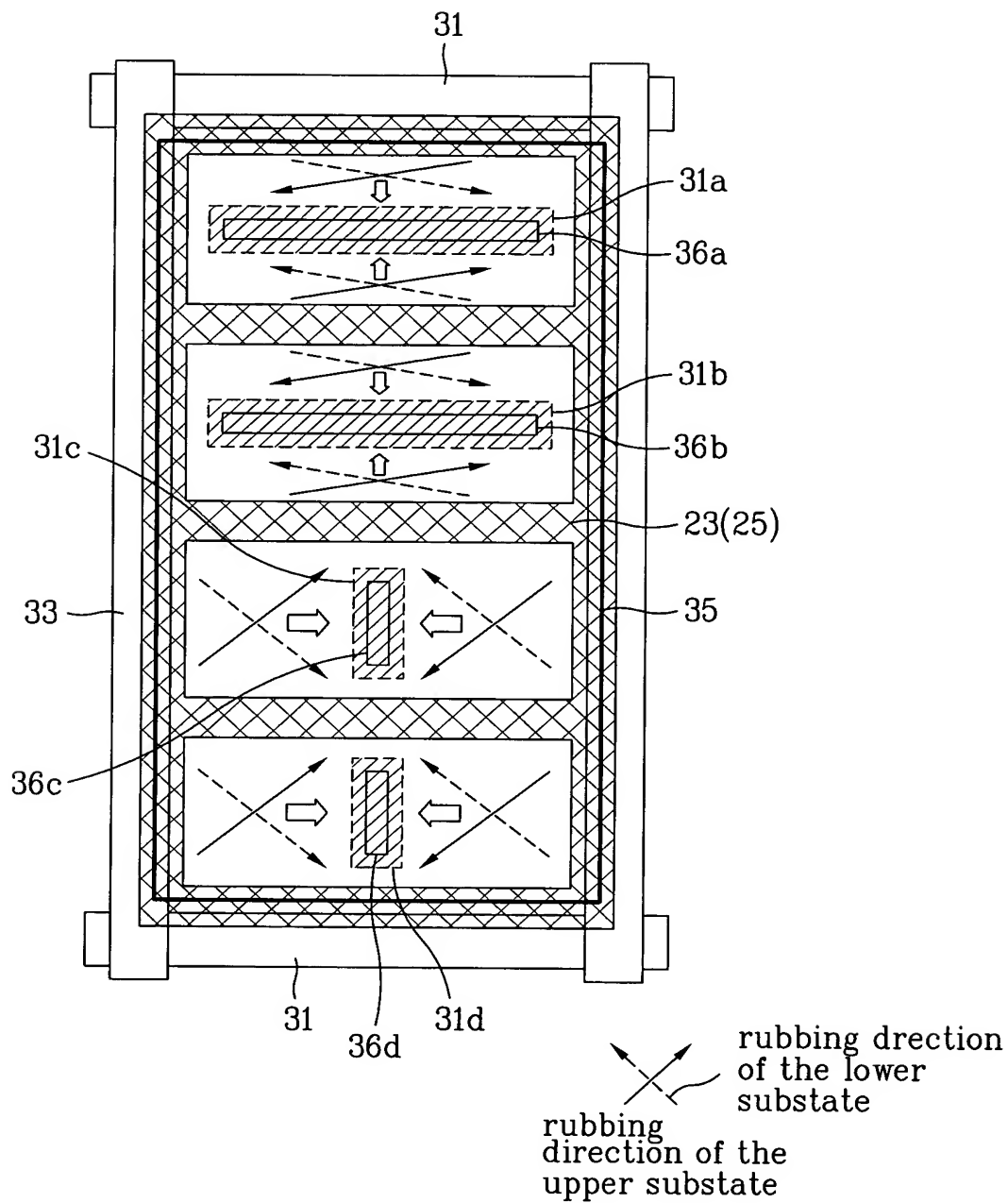


FIG. 8

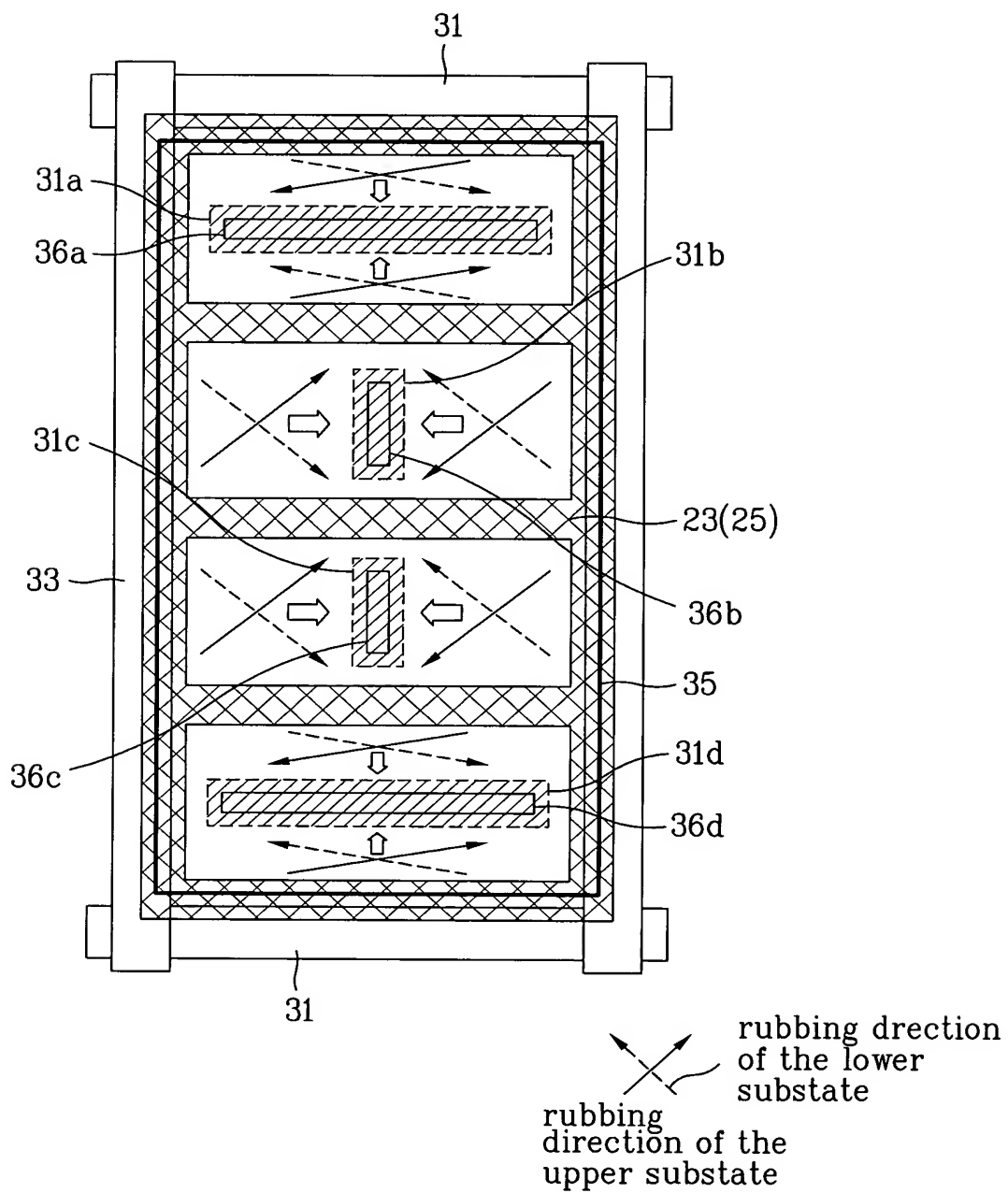


FIG. 9

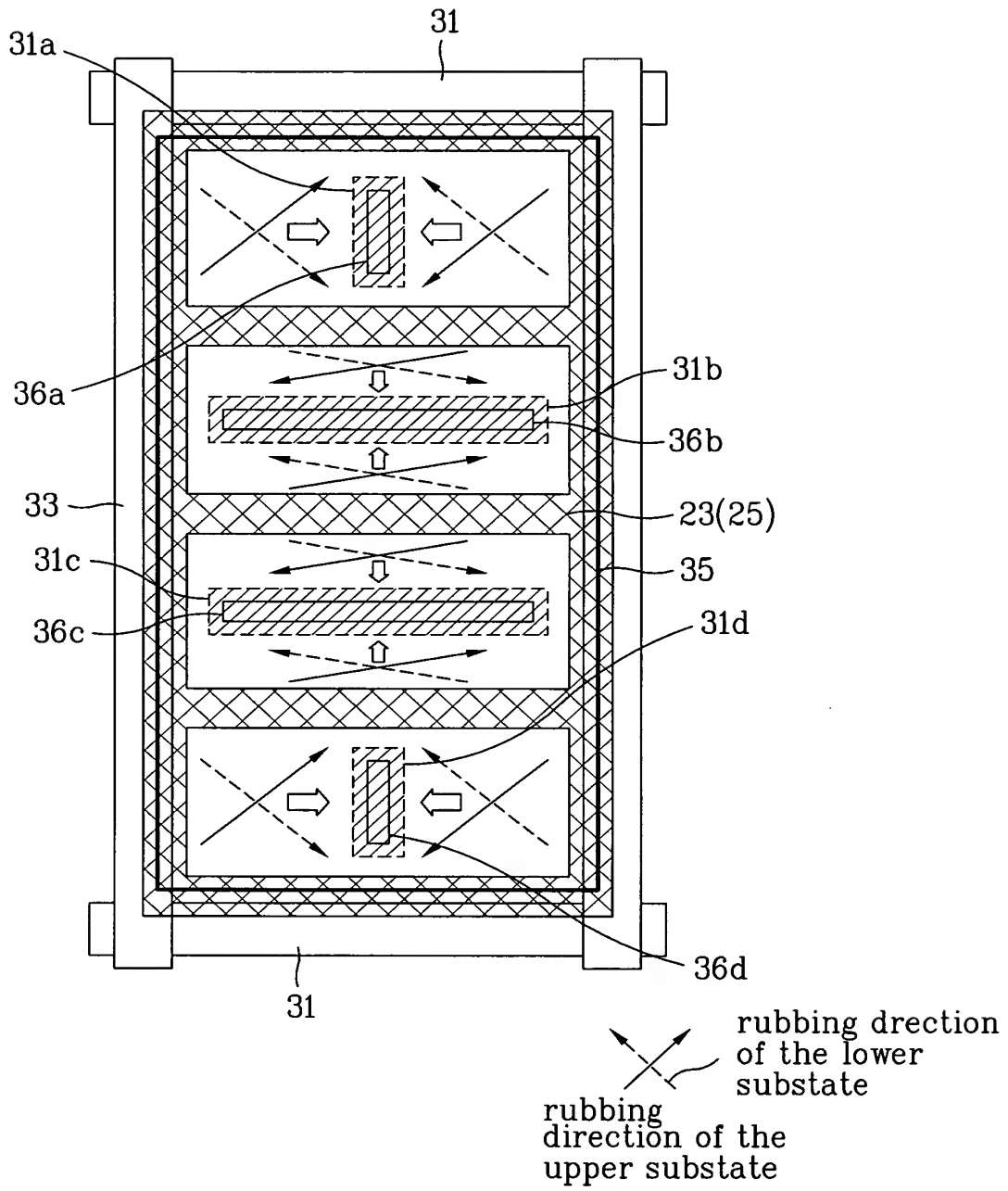


FIG. 10

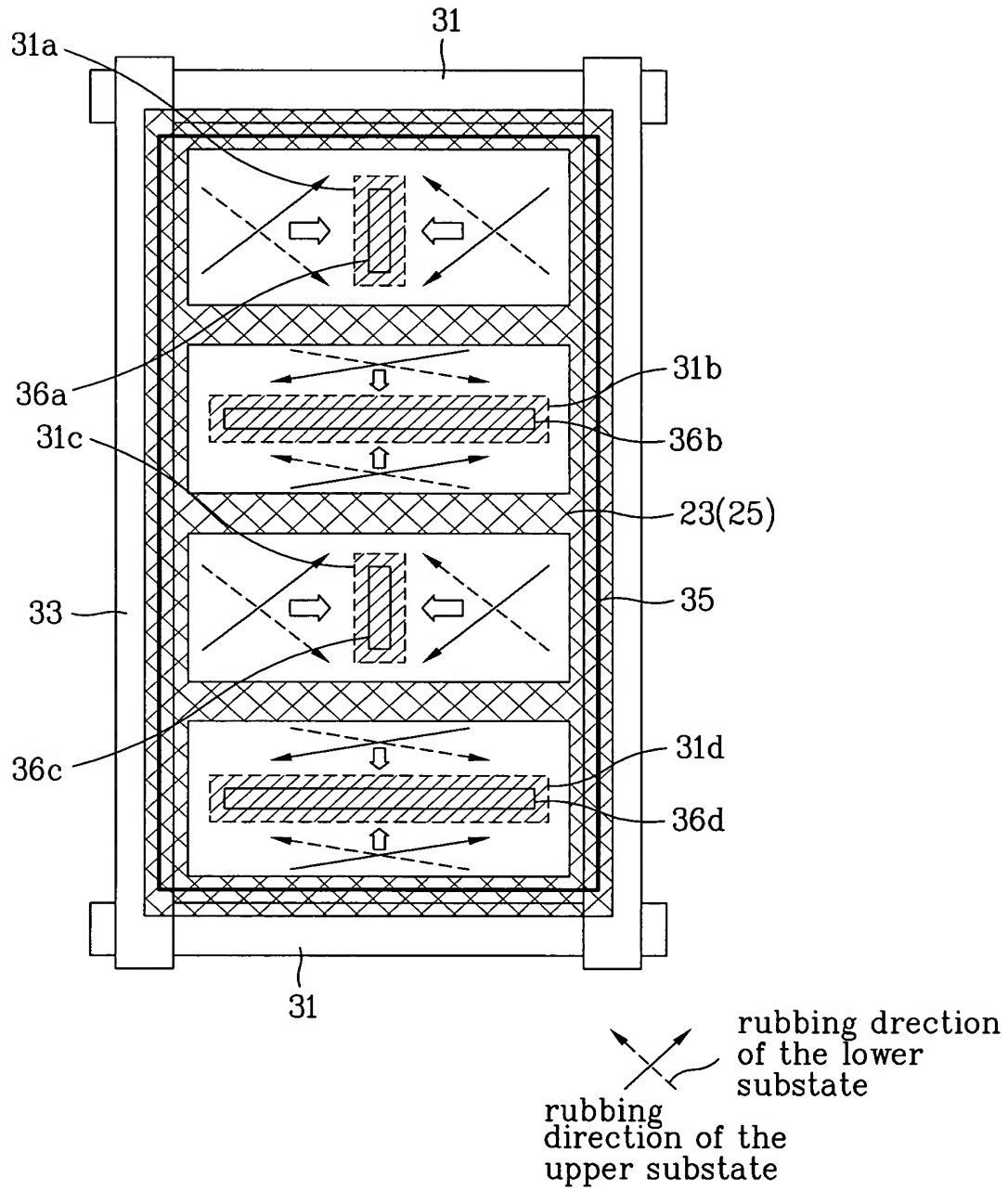


FIG. 11

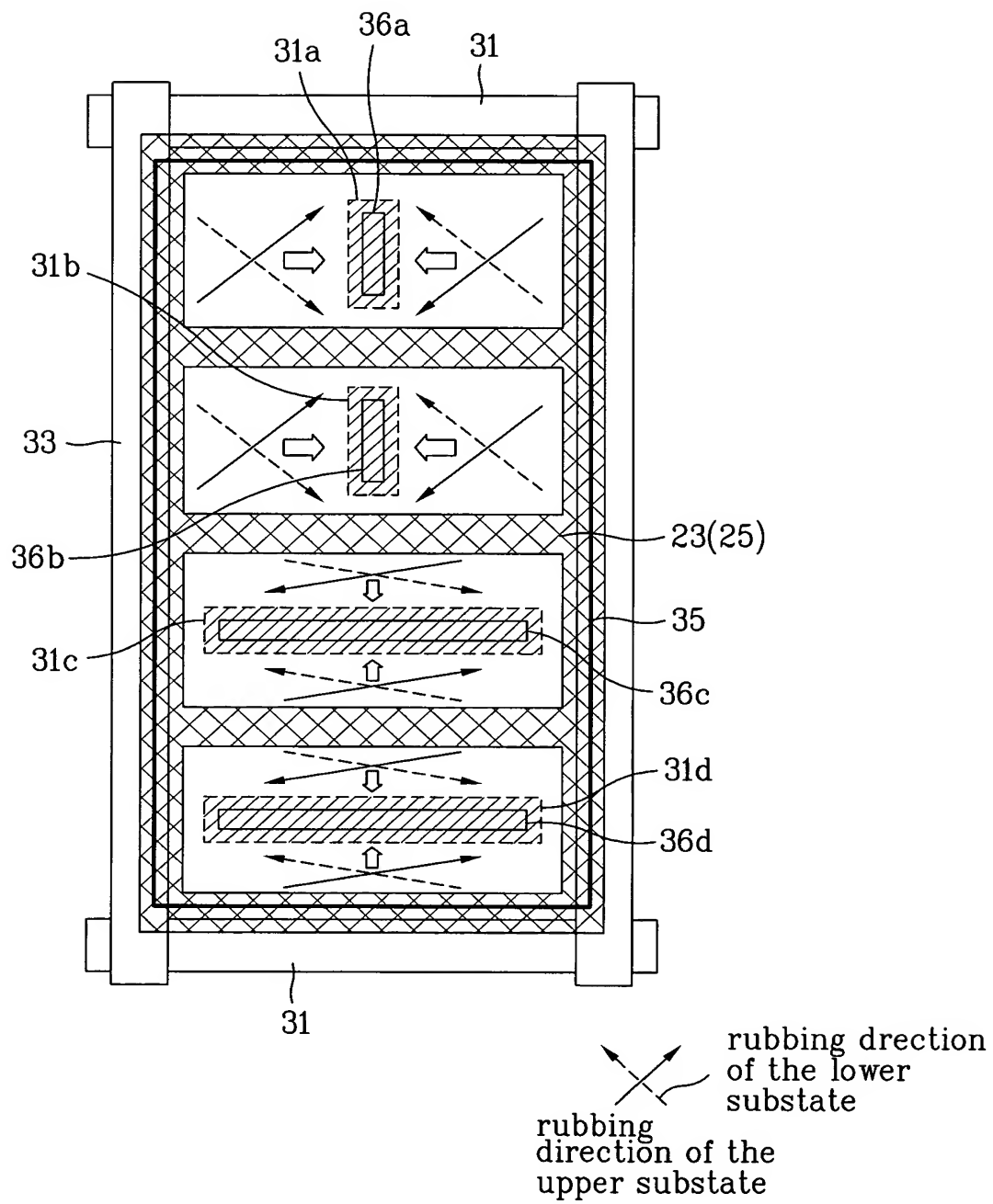


FIG. 12

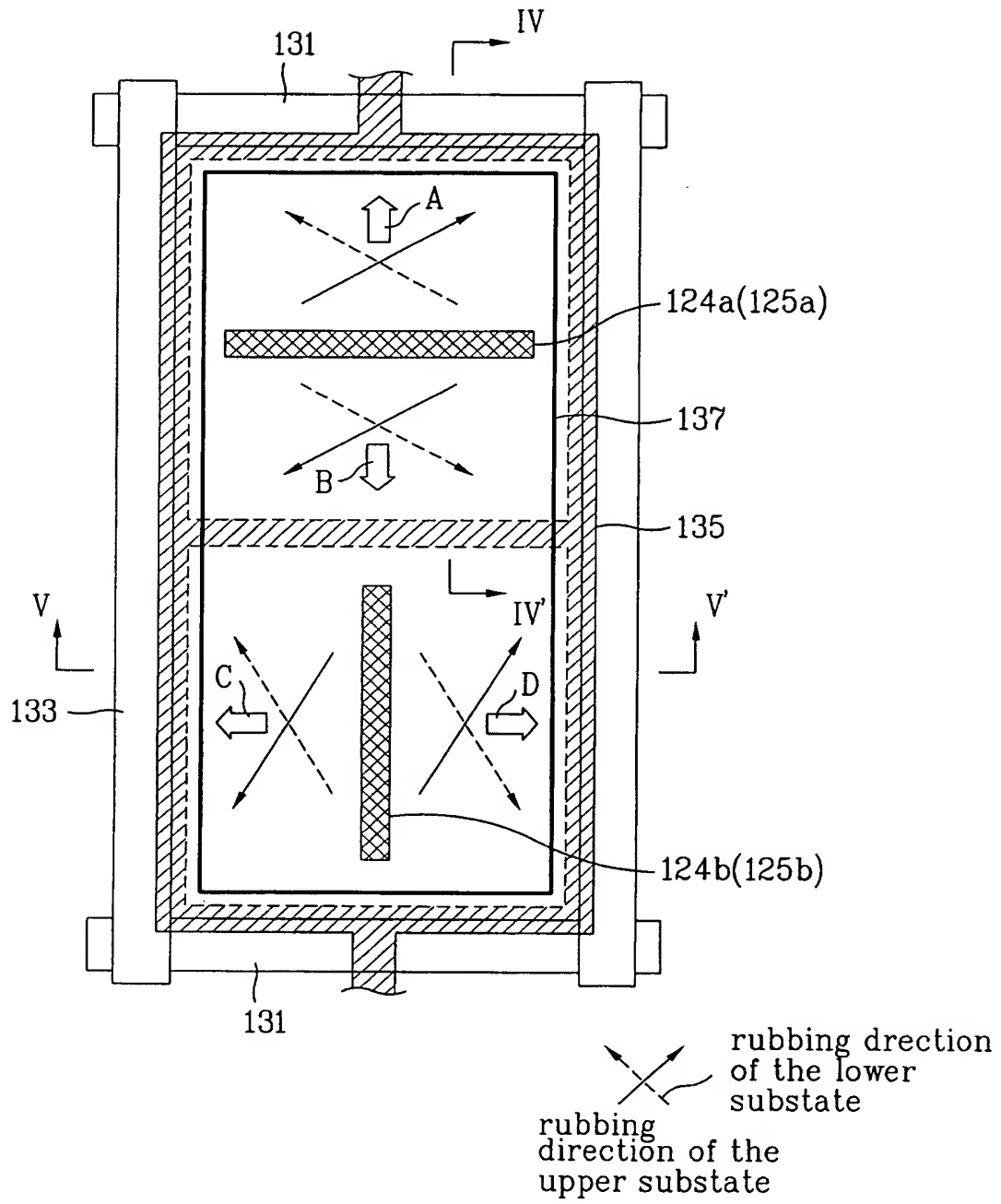


FIG. 13

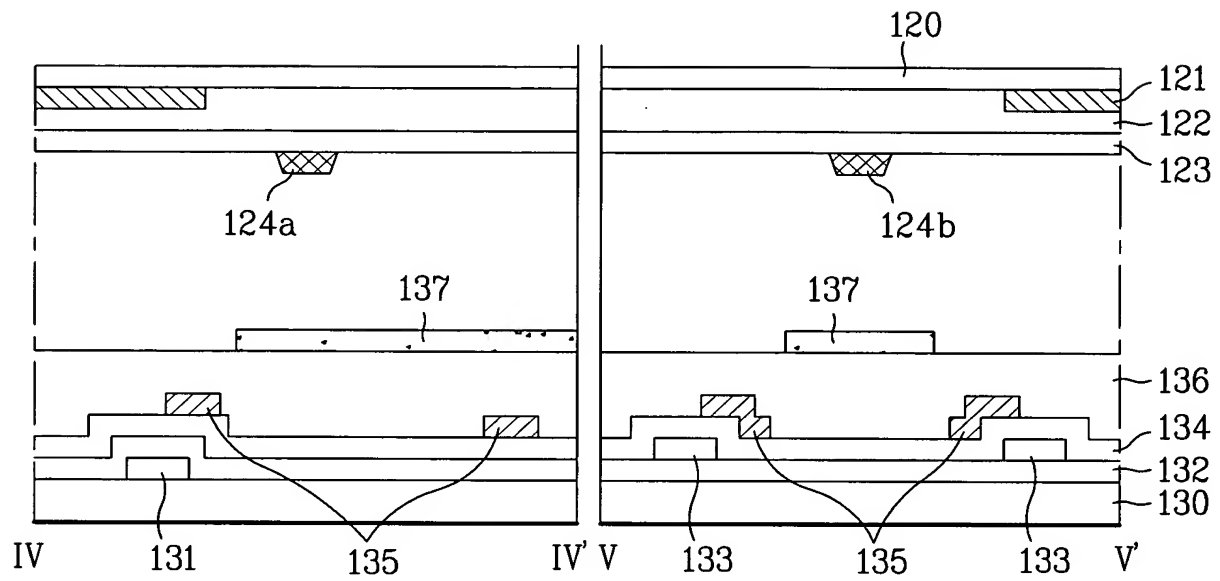


FIG. 14

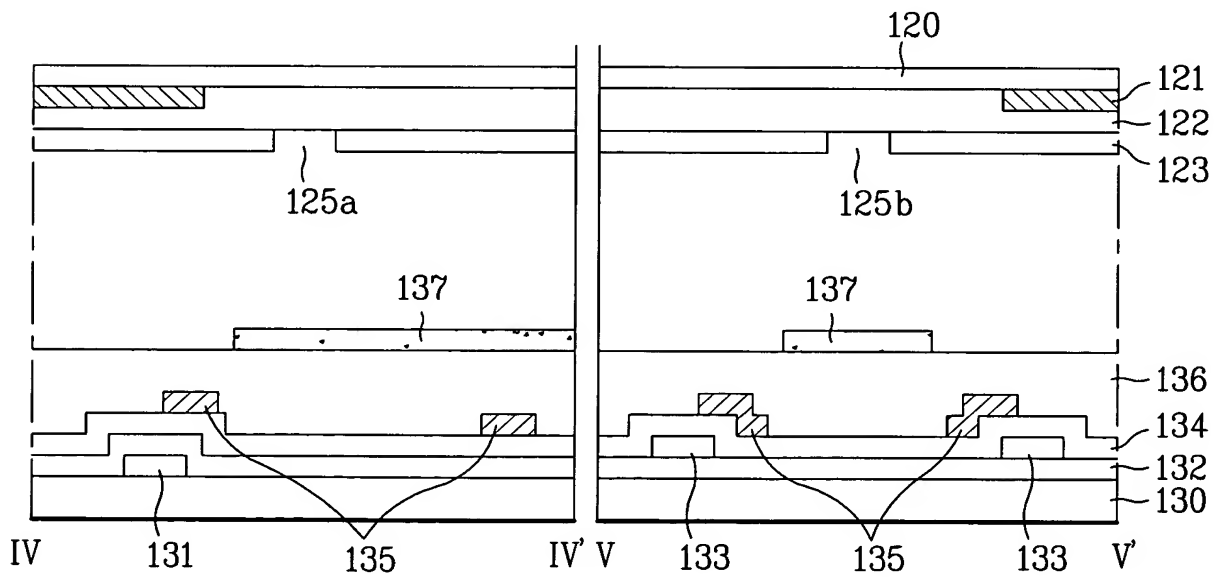


FIG. 15

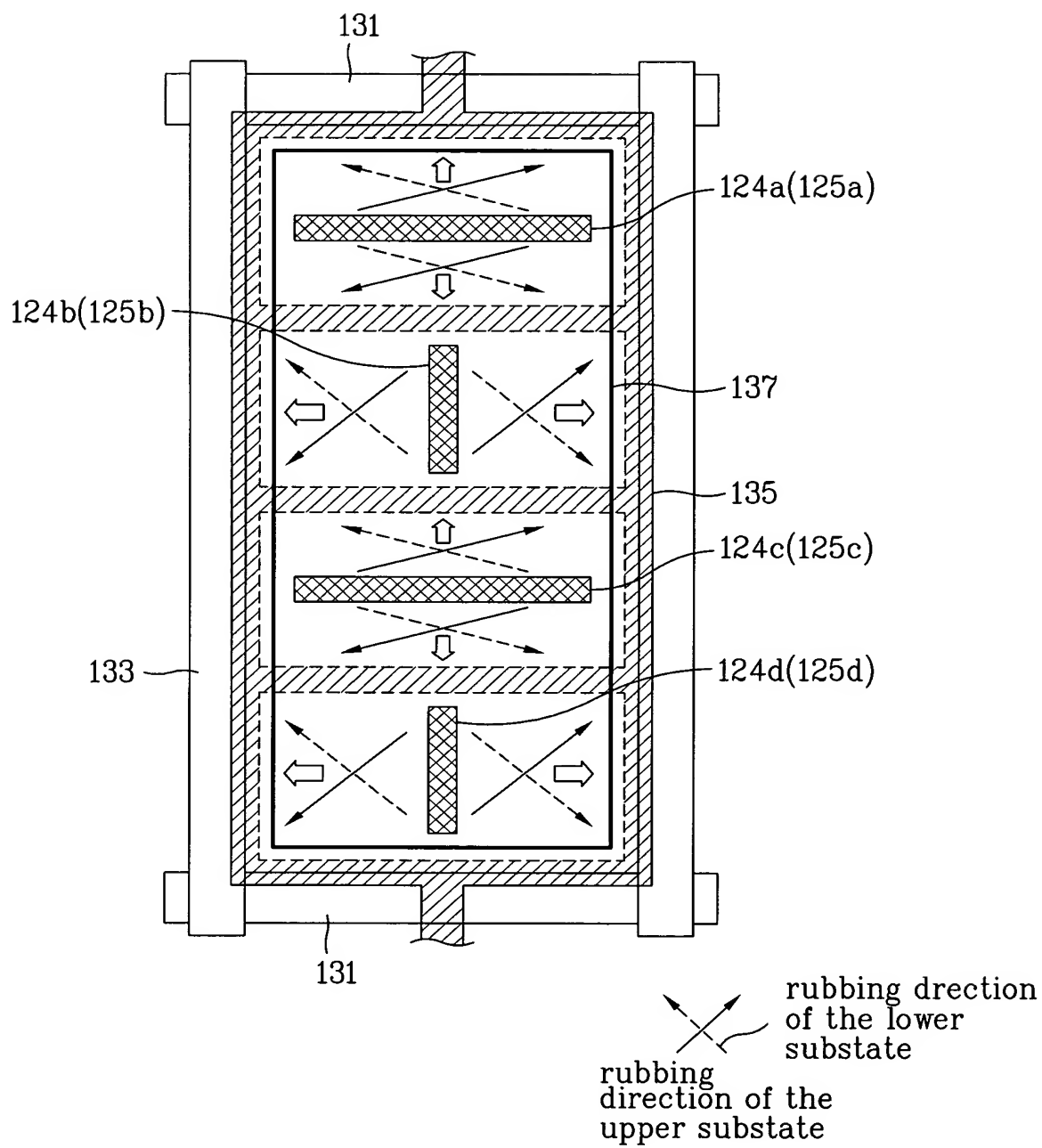


FIG. 16

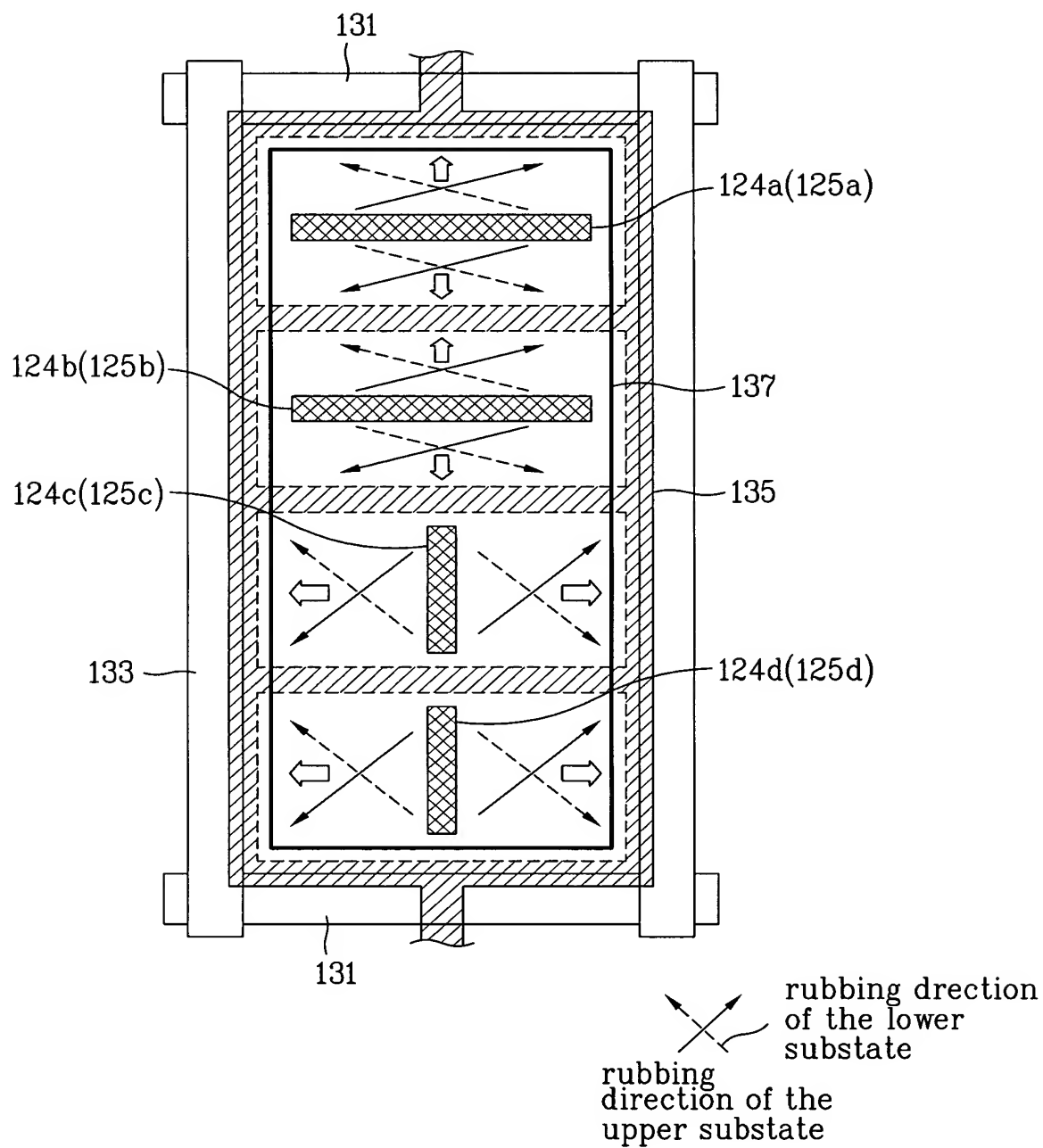


FIG. 17

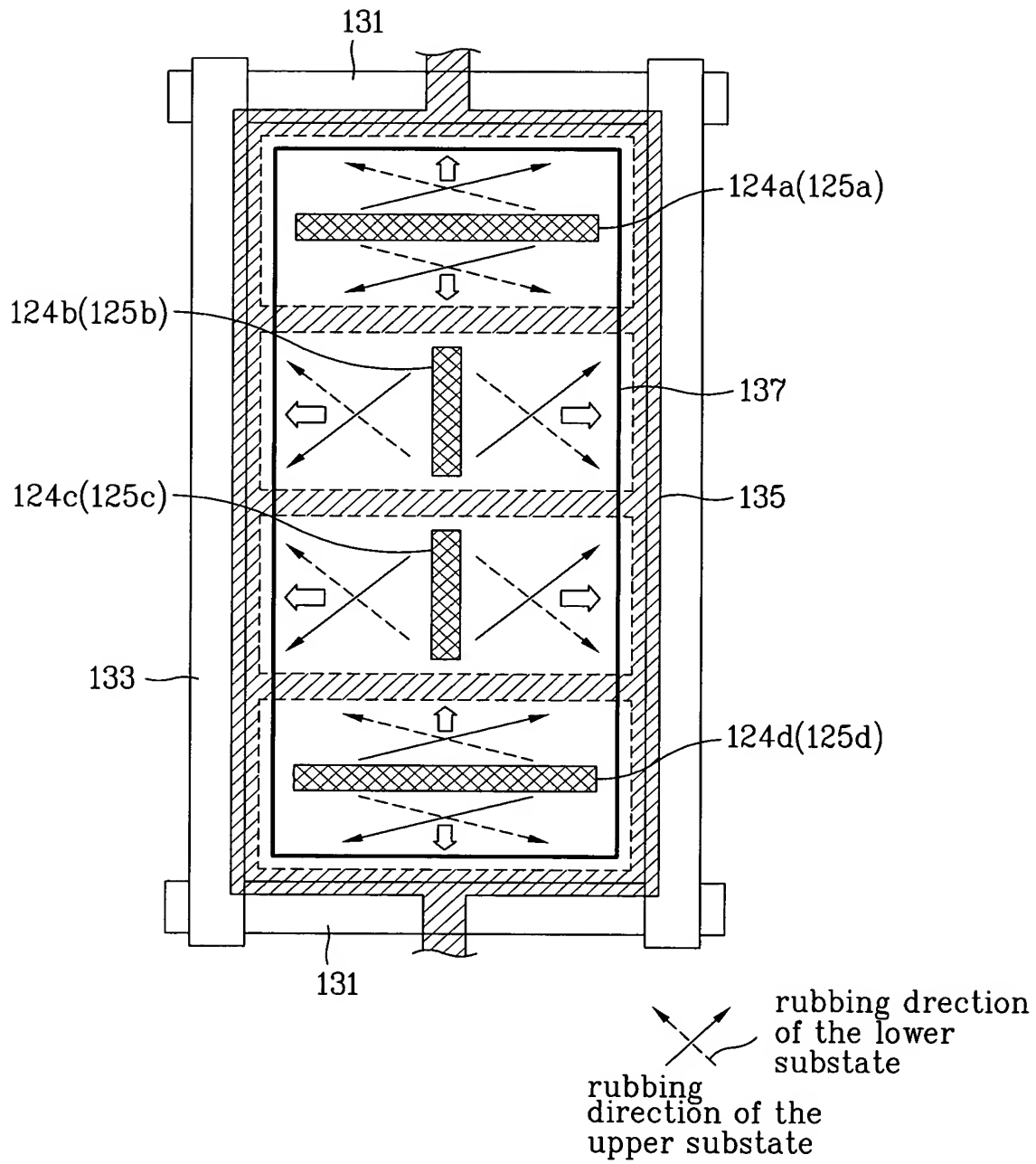


FIG. 18

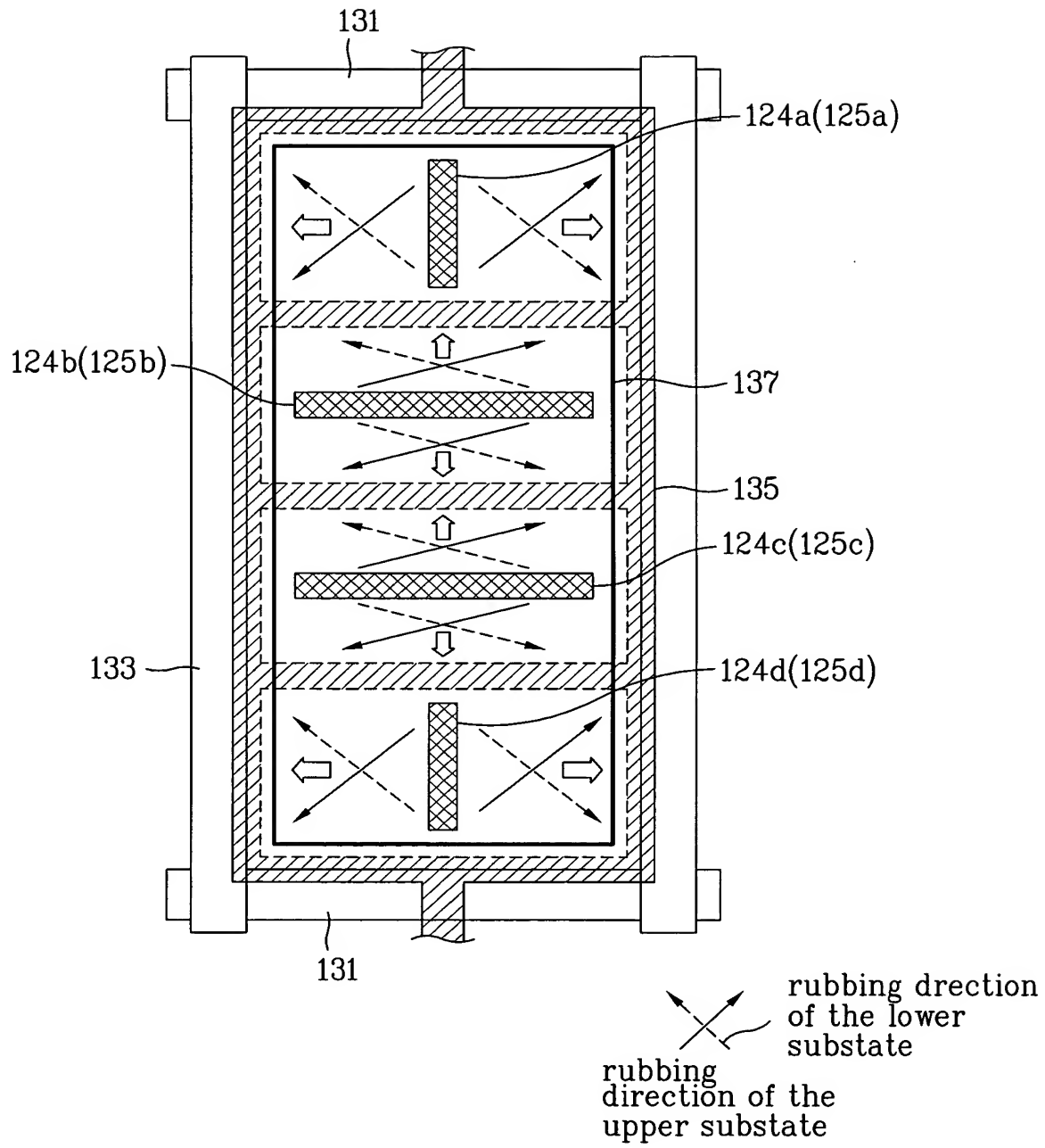


FIG. 19

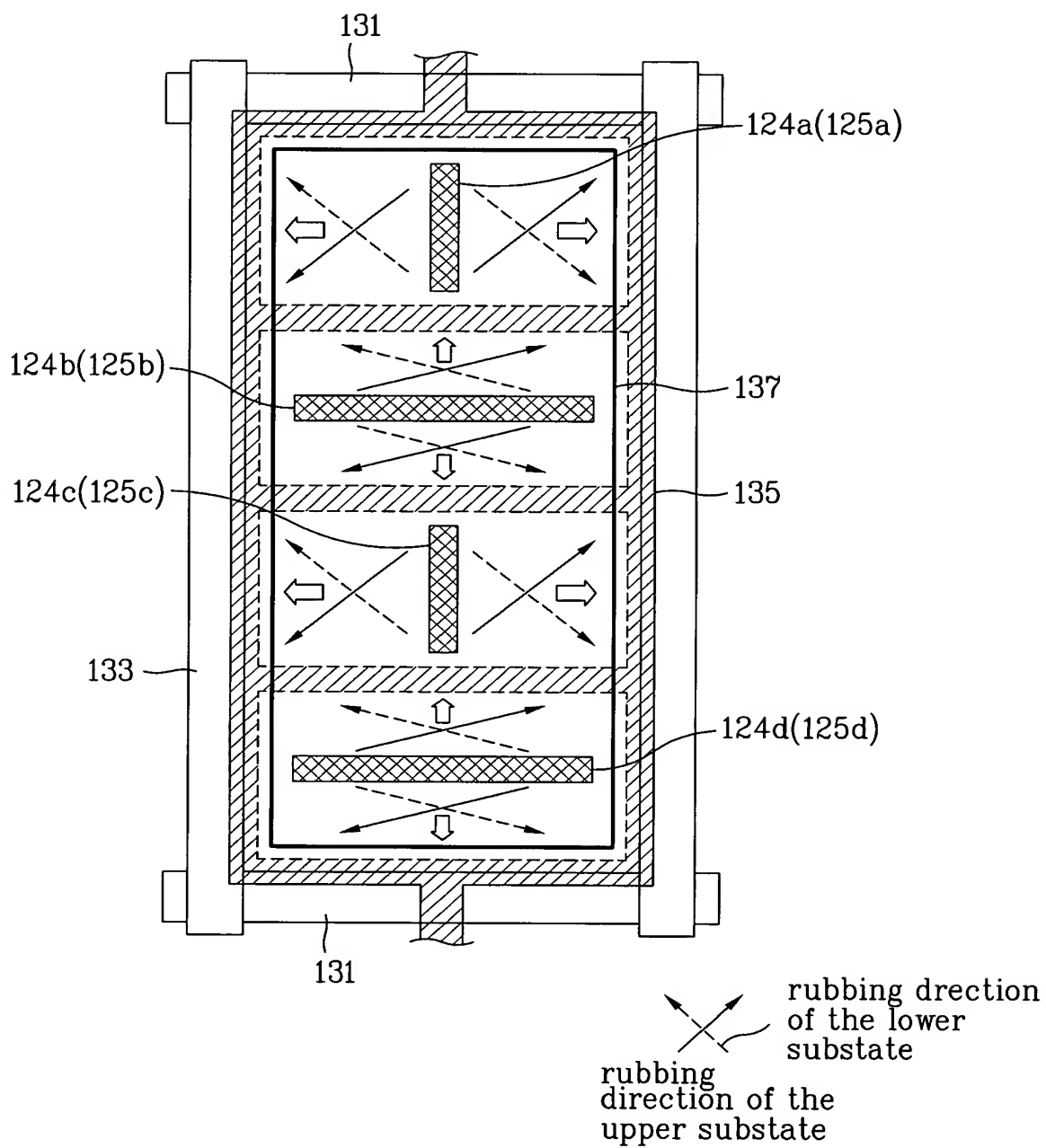


FIG. 20

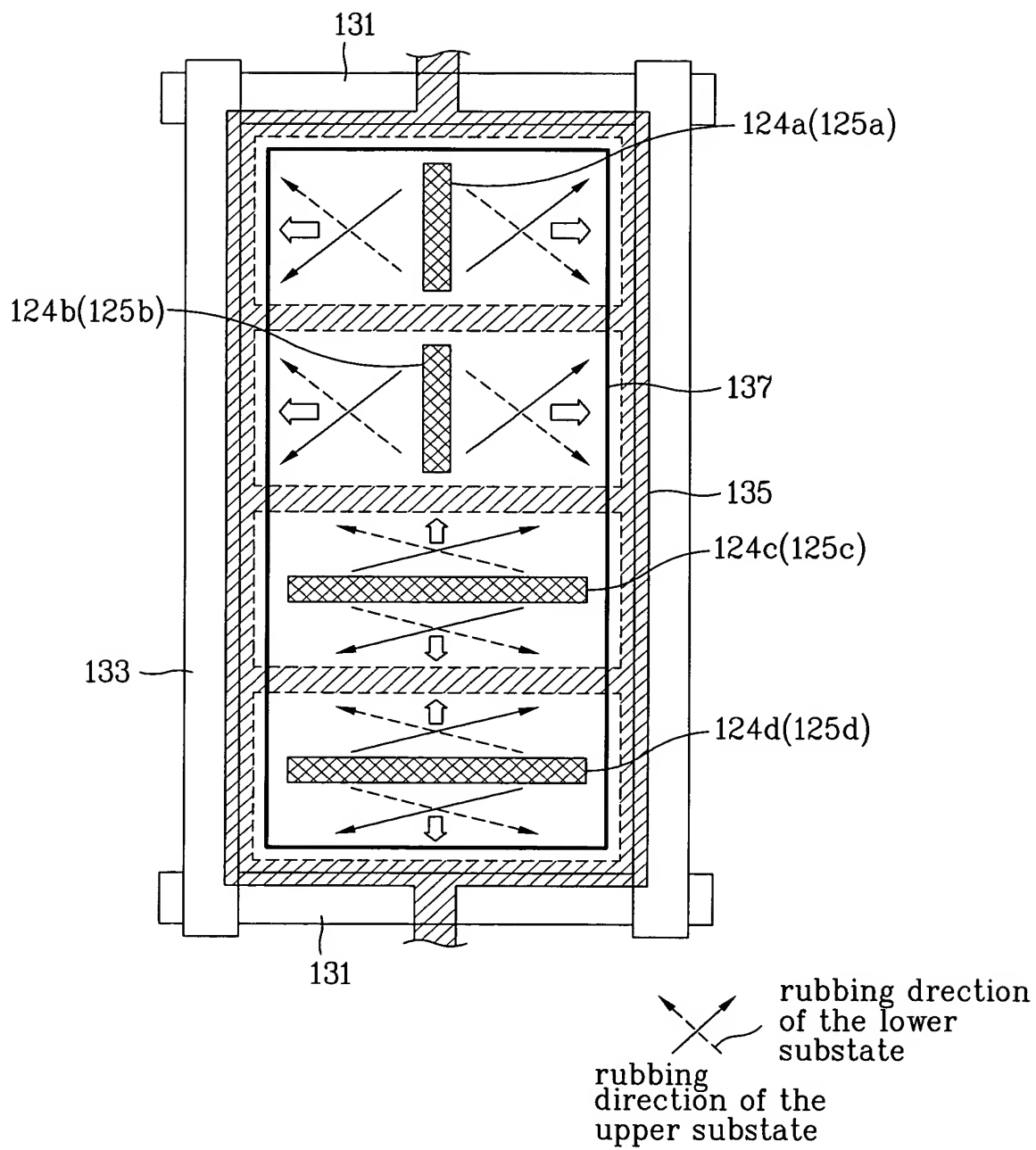


FIG. 21

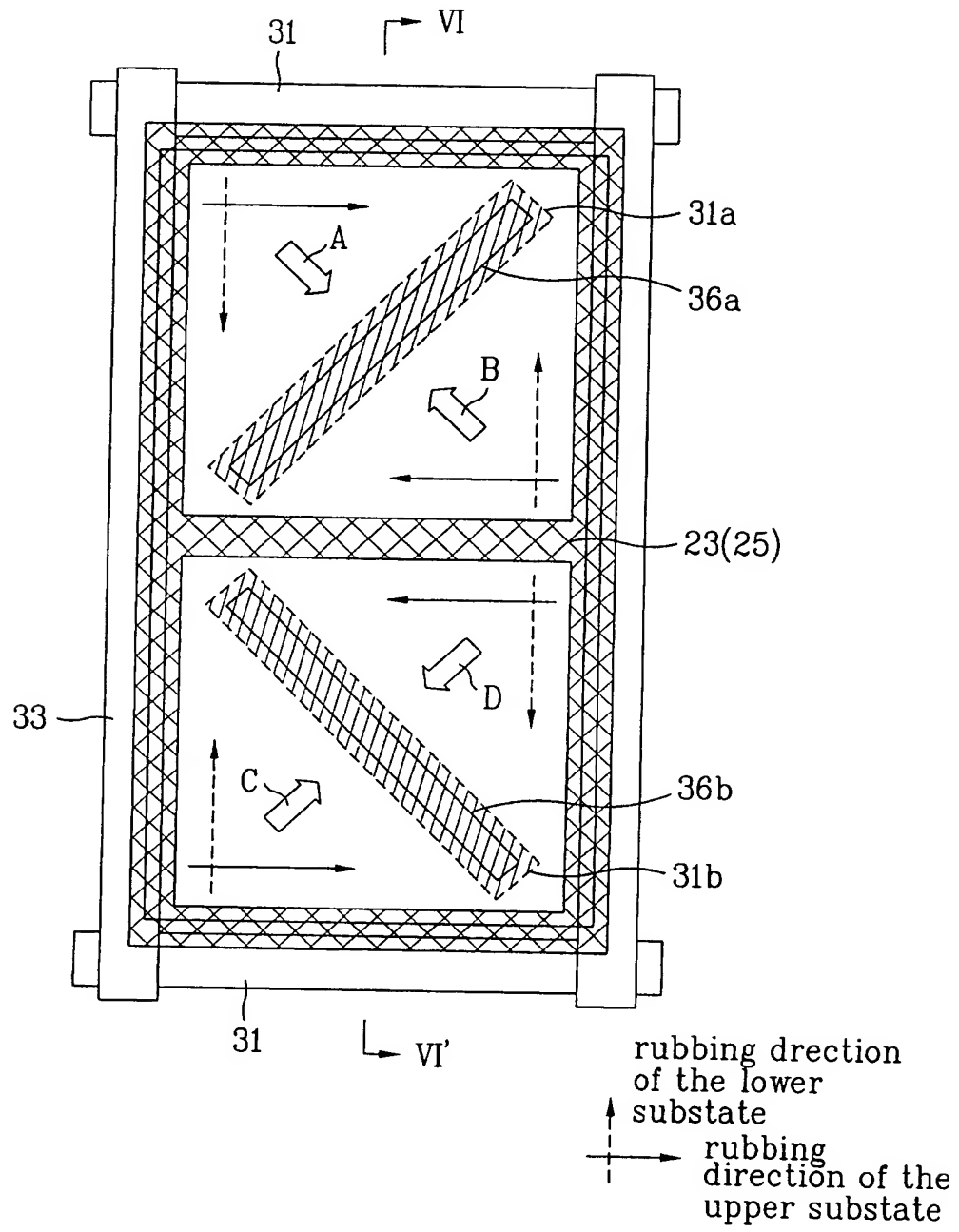
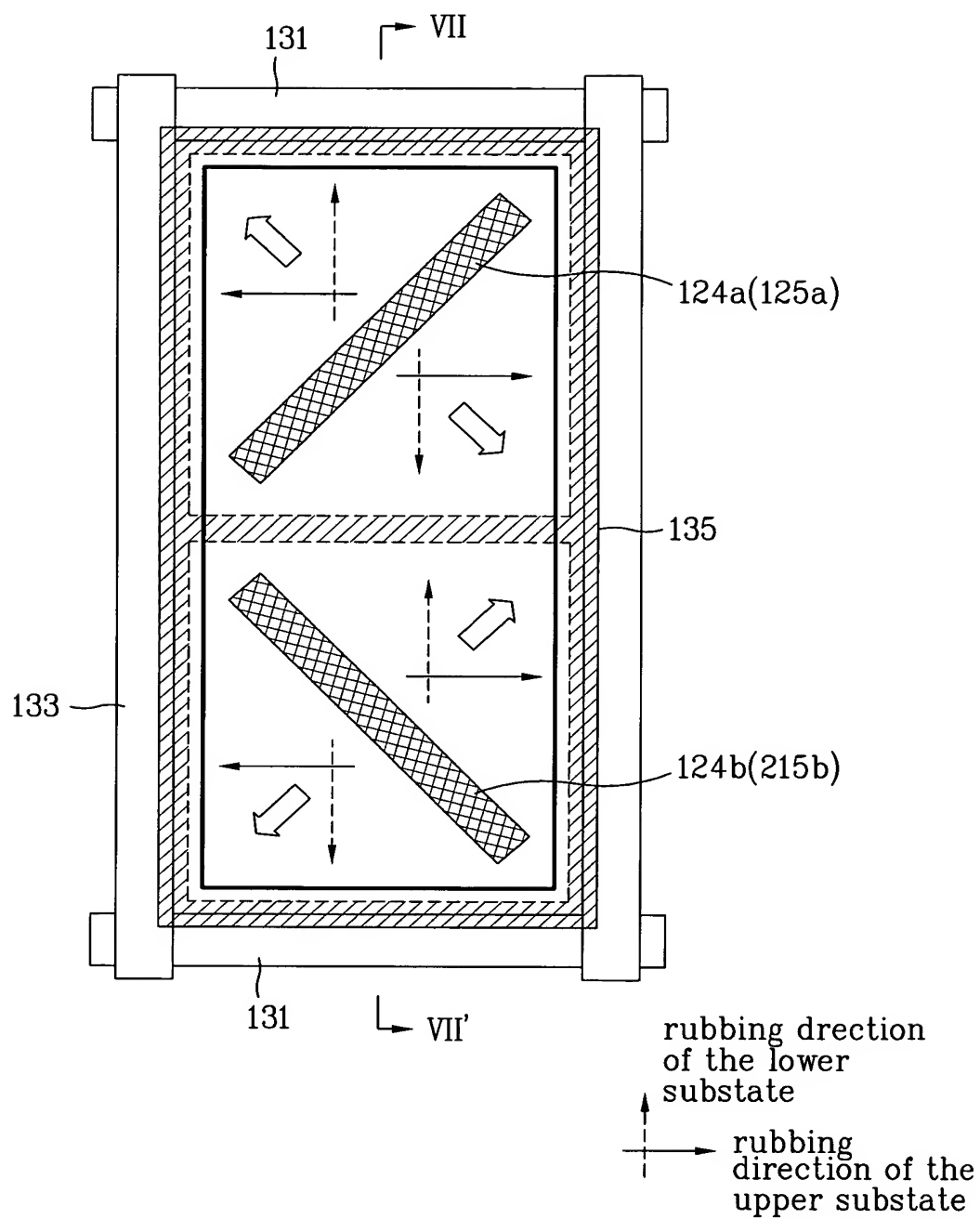


FIG. 24



This diagram shows a cross-sectional view of a semiconductor device structure. The structure is divided into several layers and regions. At the top, a thin layer 120 is shown, with regions 121 and 122 indicated. Below this is a thicker layer 123. Two trapezoidal features, 124a and 124b, are embedded in layer 123. Below layer 123 is a layer 136, which contains a central region 137 and two side regions 135. Below layer 136 is a layer 134, which has a central region 135 and two side regions 131. Below layer 134 is a layer 132, which has a central region 135 and two side regions 131. At the bottom is a layer 130. The structure is labeled VII on the left and VII' on the right.

This cross-sectional view shows a multi-layered structure. At the top is a thin layer 120. Below it is a layer 121 with hatched regions at the left and right edges. Layer 122 is a thin layer below 121. Layer 123 is a thicker layer below 122, containing two rectangular openings labeled 125a and 125b. Below layer 123 is a layer 136. Layer 137 is a thin layer with a dotted pattern, located between 123 and 136. Layer 135 is a layer below 137, featuring three hatched rectangular regions. Below 135 is a layer 134, which has a stepped profile. Layer 132 is a thin layer below 134. Layer 130 is the bottom-most layer, which is a thin layer with three rectangular openings labeled 131. The structure is bounded by vertical dashed lines labeled VII and VII'.

FIG. 27A

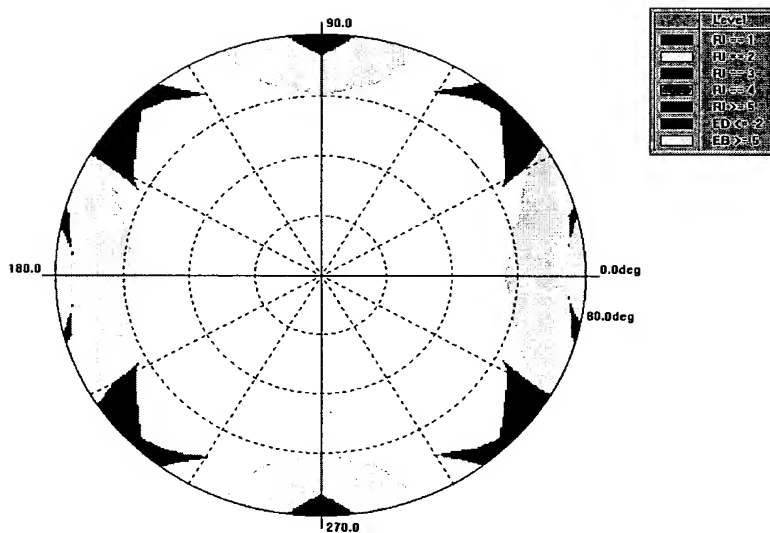


FIG. 27B

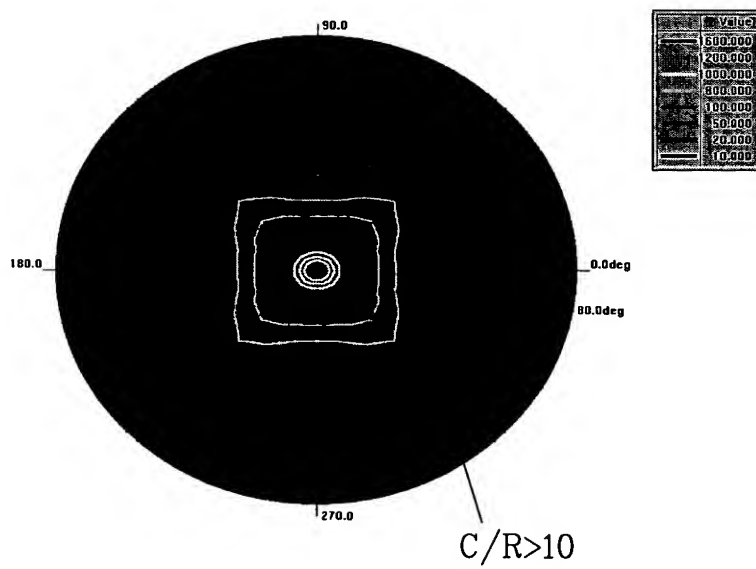
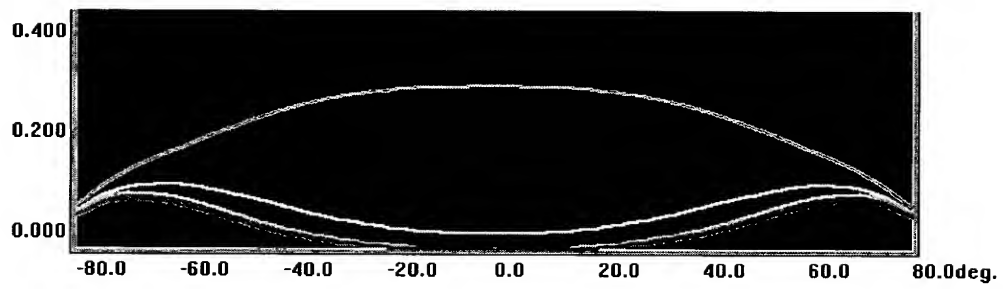
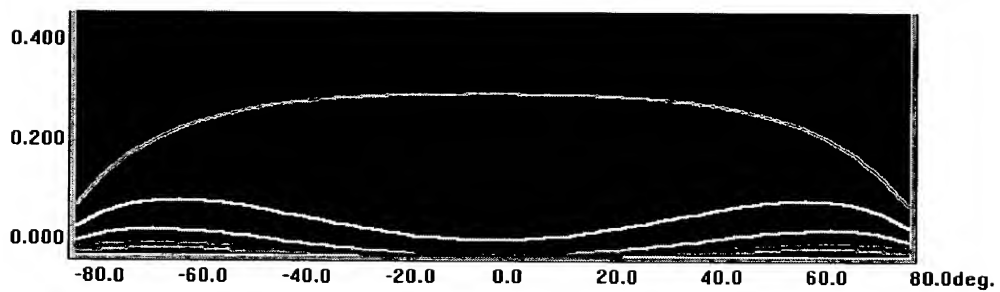


FIG. 28A



Angle = 0°

FIG. 28B



Angle = 45°

FIG. 28C

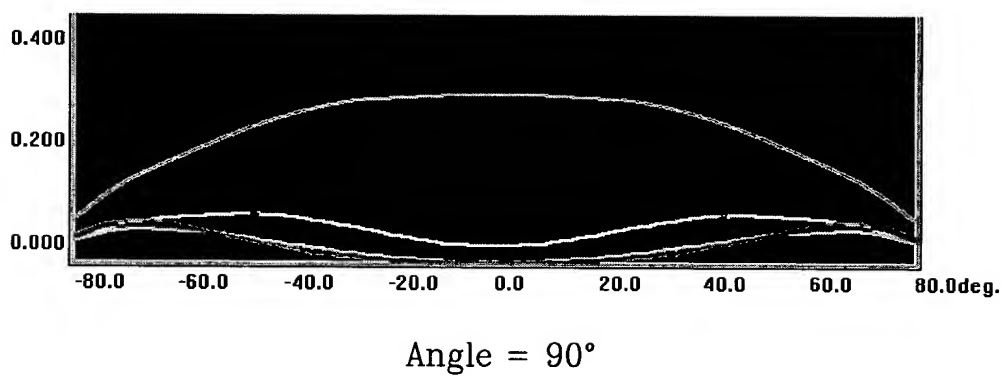


FIG. 28D

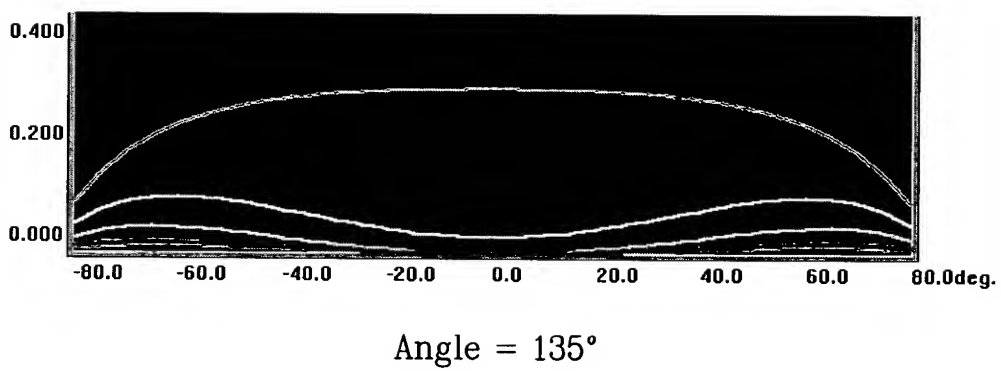


FIG. 29A

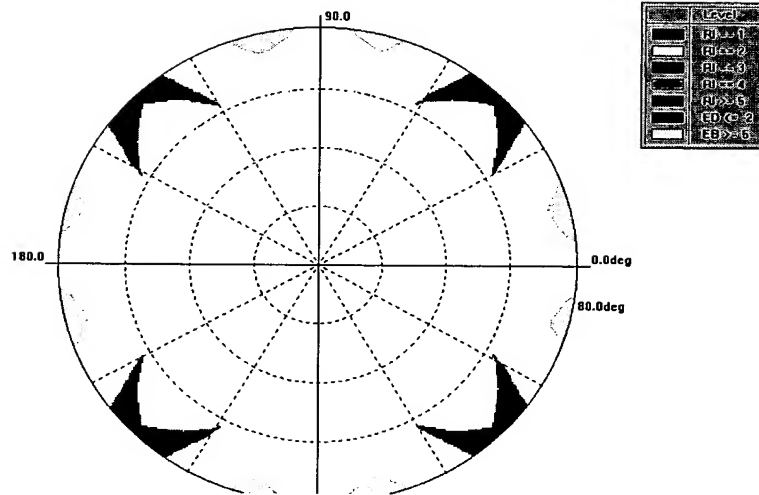


FIG. 29B

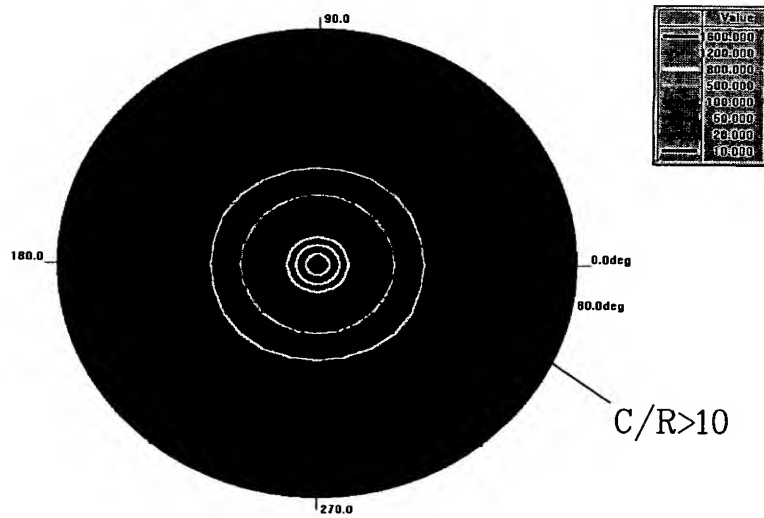
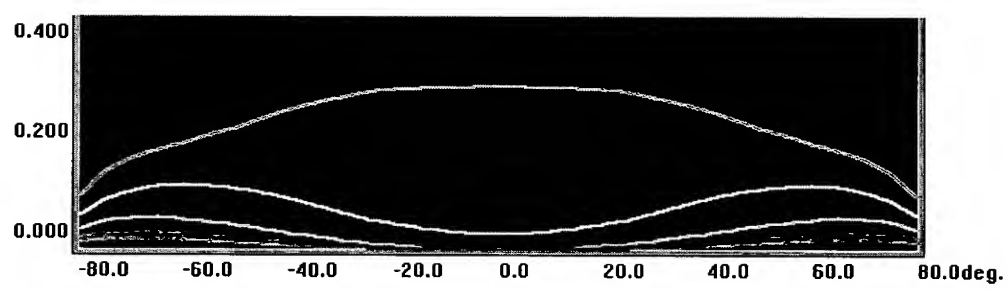
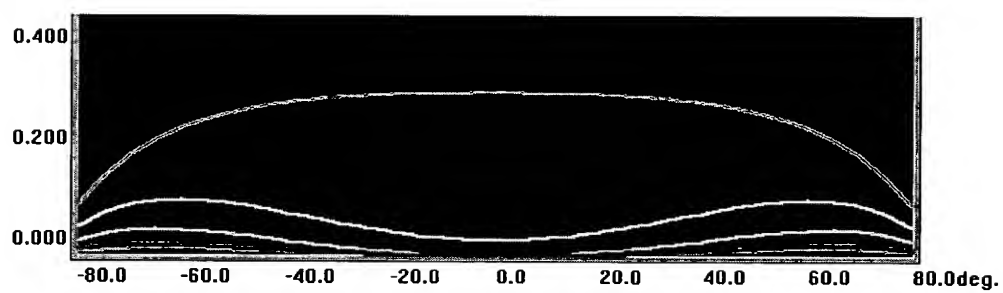


FIG. 30A



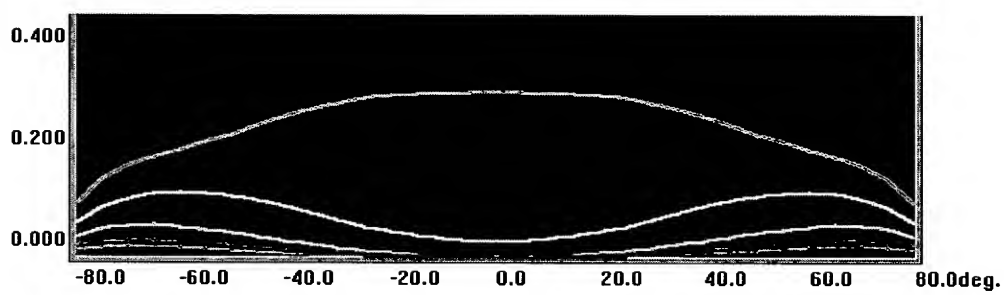
Angle = 0°

FIG. 30B



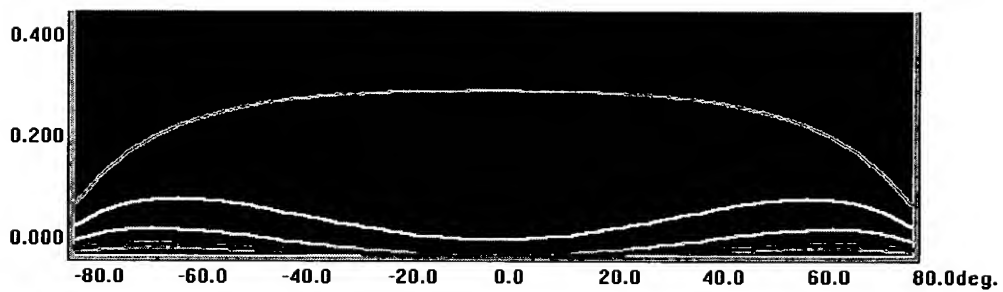
Angle = 45°

FIG. 30C



Angle = 90°

FIG. 30D



Angle = 135°